RETREAT
BOARD OF DIRECTORS

Rec Center **August 16, 2014** **9:00 a.m.**

AGENDA

9:00 a.m.	Call to Order Mayor Charles Hollingshead/Invocation Thrivability
9:10 a.m.	Financial Review
9:50 a.m.	Break
10:00 a.m.	Utility Master Plan Presentation from Crist Engineers
10:40 a.m.	Transparency Review
11:00 a.m.	Break
11:05 a.m.	Recycling Expansion Special Events Director
11:45 a.m.	Lunch / Special Presentation Mrs. Shelley Loe, Arkadelphia Alliance and Area Chamber of Commerce
12:30 p.m.	Project Commitments Known Issues to Consider
1:45 p.m.	Wrap-Up

ARKADELPHIA
It's a great place to call home!

Crist ENGINEERS

WATER AND WASTEWATER MASTER PLAN SUMMARY

ARKADELPHIA CITY BOARD

August 16, 2014

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1. Water Master Plan
   - A. 20 Year Plan
   - B. Hydraulic Model
   - C. Availability, Redundancy, Reliability, Sustainability, Quality of Service
   - D. Wholesale Sales – 33% by Volume

2. Water Treatment Improvements
   - A. Near Term
     - 1. Raw Water Pumps and Raw Water Line $2,015,000
     - 2. Clearwell Baffling $133,000
     - 3.a. Sodium Hypochlorite Feed $152,000
     - 3.b. Calcium Hypochlorite Feed $96,000
     - 4. Emergency Generator $132,000

       $2,432,000

   - B. Intermediate to Long Term Improvements
     - 1.a. Rapid Mix, Flocculation, Sedimentation $5,502,000
     - 1.b. Ballasted Flocculation (Actiflo) $5,585,000
     - 2. Filters 1 and 2 Conversion to Combined Air and Water Backwash ..$839,000
     - 3. Filters 3, 4, 5, and 6 Media Replacement $114,000

       $6,538,000

3. Water Distribution System Improvements
   - A. Storage Deficit in Main and Unity Pressure Zones
   - B. Distribution – 27 Prioritized Items $18,677, 200
   - C. Fire Flow – 7 Prioritized Items $452,200
   - D. ISO Considerations

4. Discussion on Water Master Plan

5. Wastewater Master Plan
   A. 20 Year Plan
   B. Availability, Redundancy, Reliability, Sustainability, Quality of a Service
   C. Focus on Treatment and Pump Stations

6. Wastewater Treatment Improvements
   A. Near Term – 7 Prioritized Items $1,313,200
   B. Future – 3 Prioritized Items $770,000

7. Wastewater Collection and Conveyance
   A. Near Term – 7 Prioritized Items $973,000 (Replace Ouachita Pump Station)
   B. Future – 6 Prioritized Items $306,600

8. Discussion on Wastewater Master Plan

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